

**Table 1.1: Comparison of the Study Sample to U.S. Population**

	<b>Study Sample (%)</b>	<b>US population aged 12-14 (%)</b>
<b>Age</b>		
<b>12</b>	31.2	34.2
<b>13</b>	35.7	33.4
<b>14</b>	33.1	32.4
<b>Sex</b>		
<b>Male</b>	49.1	51.2
<b>Female</b>	50.9	48.8
<b>Race</b>		
<b>White</b>	78.6	69.3
<b>Black</b>	9.6	14.7
<b>Hispanic</b>	7.4	11.7
<b>Others</b>	4.4	4.3
<b>Mother's education</b>		
<b>High school or less</b>	36.3	45.7
<b>Some college</b>	33.7	29.5
<b>College graduate</b>	30.0	25.2
<b>N</b>	N=950	N=41,264,000

**Table 1.2: Means and Standard Deviations for Neighborhood Variables**

	<b>Mean</b>	<b>Std. Dev</b>
<b>High SES</b>		
% family income > 75,000	0.12	0.13
% professional and managerial occupation	0.26	0.12
% education more than 12 yrs	0.27	0.15
<b>Low SES</b>		
% family income > 12,500	0.11	0.10
% people under poverty line	0.11	0.10
% male unemployed	0.05	0.04
<b>Residential Mobility</b>		
% people live in the same house in 1985	0.54	0.13
% households occupied by the owner > 10 yrs	0.34	0.13
<b>Immigrant Concentration</b>		
% people who are foreign born	0.04	0.06
% households which are language isolated	0.01	0.04
<b>White and Black Racial Composition</b>		
% Whites	0.86	0.20
% Blacks	0.08	0.18
<b>Hispanic Concentration</b>		
% Hispanics	0.02	0.05

**Table 1.3: Goodness of Fit of Models**

	<b>Cigarette Use</b>			<b>Alcohol Use</b>		
	<b><math>\chi^2</math>, (d.f.)</b>	<b>CFI</b>	<b>RMSEA</b>	<b><math>\chi^2</math>, (d.f.)</b>	<b>CFI</b>	<b>RMSEA</b>
<b>Model One</b>	3727, (110)	0.66	0.18	3897, (116)	0.66	0.18
<b>Model Two</b>	764, (108)	0.93	0.08	561, (114)	0.96	0.06
<b>Model Three</b>	641, (127)	0.95	0.06	467, (134)	0.97	0.05

**Table 1.4: Parameter Estimate of Measurement Model of Adolescent Cigarette Use**

	<b>Unstandardized</b>	<b>Standardized</b>
<b>Baseline smoking</b>	1.00	1.00
<b>Low SES</b>	1.00	1.00
<b>White &amp; Black composition</b>	1.00	1.00
<b>Closeness</b>		
Kiss/hug	<b>1.00</b>	<b>0.62</b>
Feel close	<b>1.23</b>	<b>0.77</b>
Spend time talking	<b>1.30</b>	<b>0.81</b>
Do fun things together	<b>1.33</b>	<b>0.83</b>
<b>Monitoring</b>		
Try to know what you do	<b>1.00</b>	<b>0.76</b>
Try to know where you are	<b>1.04</b>	<b>0.80</b>
Really know what you do	<b>1.14</b>	<b>0.87</b>
Really know where you are	<b>1.11</b>	<b>0.85</b>
<b>Parent smoking</b>	1.00	1.00
<b>Peer smoking</b>	1.00	1.00
<b>Adolescent smoking</b>	1.00	1.00
<b>Gender</b>	1.00	1.00
<b>Age</b>	1.00	1.00
<b>Mother's edu1<sup>a</sup></b>	1.00	1.00
<b>Mother's edu2<sup>b</sup></b>	1.00	1.00
<b>Treatment</b>	1.00	1.00
<b>Black/White</b>	1.00	1.00
<b>Hispanic/White</b>	1.00	1.00
<b>Others/White</b>	1.00	1.00

<sup>a</sup> some college education/graduated from high school or less

<sup>b</sup> college graduate/graduated from high school or less

**Table 1.5: Standardized Parameter Estimates of Model of Adolescent Cigarette Use**

	<b>Outcome Variables</b>				
	<b>Closeness</b>	<b>Monitoring</b>	<b>Parent Smoking</b>	<b>Peer Smoking</b>	<b>Adolescent Smoking</b>
<b>Baseline smoking</b>	----	----	----	.369*	.567*
<b>Low SES</b>	.070	.088*	.059	.058	----
<b>White &amp; Black</b>	----	----	----	.045	----
<b>Closeness</b>	----	----	----	-.084	
<b>Monitoring</b>	----	----	----	-.278*	-.151*
<b>Parent smoking</b>	----	----	----	.172*	.109*
<b>Peer smoking</b>	----	----	----	----	.291*
<b>Gender</b>	----	-.175*	----	-.171*	----
<b>Age</b>	-.103*	-.091*	-.141*	.179*	----
<b>Mother's edu1<sup>a</sup></b>	.117*	.124*	-.126*	-.070	----
<b>Mother's edu2<sup>b</sup></b>	.126*	.073	-.313*	-.106*	----
<b>Treatment</b>	----	----	-.093*	----	----
<b>Black/White</b>	----	-.062	.043	-.143*	-.054
<b>Hispanic/White</b>	----	.014	-.024	-.034	.013
<b>Others/White</b>	----	.016	-.061	-.002	-.014

\*=P<0.05

<sup>a</sup>some college education/graduated from high school or less

<sup>b</sup>college graduate/graduated from high school or less

**Table 1.6: Standardized Parameter Estimates of Model of Adolescent Alcohol Use**

	<b>Outcome Variables</b>				
	<b>Closeness</b>	<b>Monitoring</b>	<b>Parent Drinking</b>	<b>Peer Drinking</b>	<b>Adolescent Drinking</b>
<b>Baseline drinking</b>	----	----	----	.363*	.554*
<b>Low SES</b>	.077	.100*	----	.114*	----
<b>High SES</b>	----	.055	.186*	----	----
<b>White &amp; Black</b>	----	----	----	.047	----
<b>Monitoring</b>	----	----	----	-.405*	-.114
<b>Parent drinking</b>	----	----	----	----	.211*
<b>Peer dinking</b>	----	----	----	----	.230*
<b>Gender</b>	----	-.161*	----	-.143*	----
<b>Age</b>	-.123*	-.111*	----	.174*	----
<b>Mother's edu1<sup>a</sup></b>	.123*	.134*	----	----	-.037
<b>Mother's edu2<sup>b</sup></b>	.124*	.069	----	----	-.060
<b>Black/White</b>	----	-.059	-.101	-.156*	----
<b>Hispanic/White</b>	----	.022	-.018	-.085*	----
<b>Others/White</b>	----	.020	-.017	-.015	----

\*=P<0.05

<sup>a</sup>some college education/graduated from high school or less

<sup>b</sup>college graduate/graduated from high school or less

**Table 1.7: Decomposition of Neighborhood, Parental and Peer Effects on Adolescent Cigarette and Alcohol Use**

	<b>Cigarette Use</b>			<b>Alcohol Use</b>		
	<b>Direct</b>	<b>Indirect</b>	<b>Total</b>	<b>Direct</b>	<b>Indirect</b>	<b>Total</b>
<b>Baseline</b>	0.567	0.107	0.674	0.554	0.083	0.637
<b>Low SES</b>	0	0.004	0.004	0	0.006	0.006
<b>High SES</b>	----	----	----	0	0.027	0.027
<b>White &amp; Black</b>	0	0.013	0.013	0	0.010	0.010
<b>Closeness</b>	0	-0.024	-0.024	0	0	0
<b>Monitoring</b>	-0.151	-0.080	-0.231	-0.114	-0.093	-0.207
<b>Parent use</b>	0.109	0.050	0.159	0.211	0	0.211
<b>Peer use</b>	0.291	0	0.291	0.230	0	0.230

**Table 2.1: Standardized Parameter Estimates of Model of Adolescent Cigarette Use**

	<b>Closeness</b>		<b>Monitoring</b>		<b>Parent smoking</b>		<b>Adolescent smoking</b>	
	<b>Tracts</b>	<b>Block groups</b>	<b>Tracts</b>	<b>Block groups</b>	<b>Tracts</b>	<b>Block groups</b>	<b>Tracts</b>	<b>Block groups</b>
<b>Baseline</b>	----	----	----	----	----	----	.658*	.660*
<b>Low SES</b>	.062	.017	.121*	.117*	.039	.003	-.002	.000
<b>High SES</b>	.021	-.034	.036	.009	-.072	-.145*	-.035	-.011
<b>% Hispanics</b>	.019	.039	-.080	-.040	-.041	-.035	-.049	-.086*
<b>Closeness</b>	----	----	----	----	----	----	-.001	.007
<b>Monitoring</b>	----	----	----	----	----	----	-.255*	-.261*
<b>Parent smoking</b>	----	----	----	----	----	----	.133*	.133*
<b>Gender</b>	-.031	-.032	-.167*	-.167*	.028	.027	-.091*	-.092*
<b>Age</b>	-.098*	-.099*	-.085*	-.084*	-.148*	-.146*	.048	.051
<b>Mother's edu1<sup>a</sup></b>	.113*	.116*	.122*	.125*	-.108*	-.105*	-.014	-.023
<b>Mother's edu2<sup>b</sup></b>	.117*	.130*	.069	.077	-.283*	-.263*	-.062	-.076
<b>Treatment</b>	.003	.003	-.020	-.025	-.079	-.079	-.039	-.038
<b>Black/White</b>	.012	.016	-.037	-.036	.028	.028	-.102*	-.098*
<b>Hispanic/White</b>	-.003	-.008	.054	.037	-.005	-.009	.022	.039
<b>Others/White</b>	-.001	.003	.041	.042	-.049	-.046	-.007	-.007

\*=P<0.05

<sup>a</sup>some college education/graduated from high school or less

<sup>b</sup>college graduate/graduated from high school or less



**Table 2.2: Standardized Parameter Estimates of Model of Adolescent Alcohol Use**

	Closeness		Monitoring		Parent drinking		Adolescent drinking	
	Tracts	Block groups	Tracts	Block groups	Tracts	Block groups	Tracts	Block groups
<b>Baseline</b>	----	----	----	----	----	----	.627*	.627*
<b>Low SES</b>	.058	.014	.093*	.101*	-.002	.024	.011	-.009
<b>High SES</b>	.032	-.025	.053	.024	.186*	.213*	.020	-.001
<b>Closeness</b>	----	----	----	----	----	----	-.052	-.052
<b>Monitoring</b>	----	----	----	----	----	----	-.160*	-.159*
<b>Parent drinking</b>	----	----	----	----	----	----	.192*	.194*
<b>Gender</b>	-.020	-.021	-.152*	-.151*	-.050	-.049	-.041	-.041
<b>Age</b>	-.117*	-.116*	-.107*	-.105*	-.034	-.035	.091*	.091*
<b>Mother's edu1<sup>a</sup></b>	.121*	.123*	.134*	.138*	-.023	-.019	-.044	-.044
<b>Mother's edu2<sup>b</sup></b>	.122*	.133*	.076	.086	.019	-.013	-.074	-.071
<b>Treatment</b>	.013	.014	-.012	-.014	-.035	-.037	-.015	-.015
<b>Black/White</b>	.011	.015	-.040	-.042	-.112*	.112*	-.038	-.035
<b>Hispanic/White</b>	.014	.016	.032	.031	-.024	-.019	-.052	-.050
<b>Others/White</b>	.008	.013	.039	.045	-.011	-.009	-.007	.009

\*=P<0.05

<sup>a</sup>some college education/graduated from high school or less

<sup>b</sup>college graduate/graduated from high school or less

**Table 2.3: Proportion of Variance (R-square) in Parental Characteristics, Adolescent Cigarette Use, and Adolescent Alcohol Use Explained by the Model**

	<b>Cigarette</b>		<b>Alcohol</b>	
	<b>Tract</b>	<b>Block group</b>	<b>Tract</b>	<b>Block group</b>
<b>Closeness</b>	0.026	0.026	0.032	0.031
<b>Monitoring</b>	0.059	0.058	0.055	0.057
<b>Parent use</b>	0.126	0.136	0.063	0.067
<b>Adolescent use</b>	0.579	0.585	0.521	0.521

**Table 3.1: Means of Neighborhood Characteristics by Neighborhood Types<sup>a</sup>**

	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>Type 4</b>	<b>Type 5</b>	<b>Type 6</b>
Number of cases	29	240	249	151	218	37
Percentages of cases	0.03	0.26	0.27	0.16	0.24	0.04
% family income < 12,500	0.22	0.11	0.04	0.16	0.10	0.25
% under poverty line	0.21	0.11	0.05	0.14	0.10	0.23
% education >	0.12	0.32	0.37	0.23	0.22	0.16
% professional jobs	0.14	0.28	0.35	0.25	0.22	0.17
% same house in 1985	0.61	0.40	0.63	0.52	0.60	0.63
% owner occupancy >10 yrs	0.39	0.18	0.46	0.34	0.38	0.41
% Hispanics	0.03	0.04	0.01	0.01	0.00	0.01
% Whites	0.58	0.84	0.94	0.89	0.96	0.15
% Blacks	0.34	0.07	0.01	0.06	0.01	0.83
% foreign born	0.02	0.09	0.05	0.02	0.01	0.02
% rural areas	0.98	0.02	0.02	0.07	0.95	0.00
% urban areas	0.01	0.97	0.97	0.00	0.02	1.00
% suburban areas	0.00	0.00	0.00	0.92	0.01	0.00

<sup>a</sup>Type 1: rural low SES neighborhoods

Type 2: urban White middle SES neighborhoods

Type 3: urban White high SES neighborhoods

Type 4: suburban White middle SES neighborhoods

Type 5: rural White middle SES neighborhoods

Type 6: urban Black low SES neighborhoods

**Table 3.2: Descriptive Characteristics of Adolescents by Neighborhood Types<sup>a</sup>**

<b>Adolescent characteristics</b>	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>Type 4</b>	<b>Type 5</b>	<b>Type 6</b>
<b>Gender</b>						
Female	34%	54%	52%	50%	50%	43%
Male	66%	46%	48%	50%	50%	57%
<b>Race</b>						
White	48%	68%	86%	87%	93%	8%**
Black	35%	12%	3%	5%	2%	89%
Hispanic	14%	13%	6%	6%	3%	0%
Others	3%	7%	5%	2%	2%	3%
<b>Mother's education</b>						
High school graduated	48%	32%	31%	36%	41%	46%*
Some college	35%	40%	30%	36%	32%	32%
Graduated from college	17%	28%	39%	28%	27%	22%
<b>Age</b>						
Mean	13.72	13.54	13.47	13.53	13.49	13.52

\*=P<0.05

\*\*=P<0.01

<sup>a</sup>Type 1: rural low SES neighborhoods

Type 2: urban White middle SES neighborhoods

Type 3: urban White high SES neighborhoods

Type 4: suburban White middle SES neighborhoods

Type 5: rural White middle SES neighborhoods

Type 6: urban Black low SES neighborhoods

**Table 3.3: Descriptive Statistics of Adolescent Cigarette Use and Adolescent Alcohol use and Parental Behaviors by Neighborhood Types<sup>a</sup>**

	<b>Type One</b>	<b>Type Two</b>	<b>Type Three</b>	<b>Type Four</b>	<b>Type Five</b>	<b>Type Six</b>
Adolescent cigarette use	37%	30%	26%	26%	23%	16%
Adolescent alcohol use	51%	62%	71%	60%	62%	37%*
Parent cigarette use	58%	34%	37%	41%	40%	35%
Parent alcohol use	75%	75%	75%	63%	67%	48%*
Closeness (mean)	12.96	12.38	12.33	12.50	12.55	12.40
Monitoring (mean)	13.81	13.33	13.15	13.44	13.45	13.21

\*=P<0.05

<sup>a</sup>Type 1: rural low SES neighborhoods

Type 2: urban White middle SES neighborhoods

Type 3: urban White high SES neighborhoods

Type 4: suburban White middle SES neighborhoods

Type 5: rural White middle SES neighborhoods

Type 6: urban Black low SES neighborhoods

**Table 3.4: Contrasts of Neighborhood Types<sup>c</sup> on Adolescent and Parent Alcohol Use**

Neighborhood Contrasts <sup>c</sup>	Adolescent alcohol use (odds ratio)		Parent alcohol use (odds ratio)	
	Without control variables	With control variables	Without control variables	With control variables
1 vs. 2	0.63	0.65	1.04	1.30
1 vs. 3	0.41	0.44	0.99	1.39
1 vs. 4	0.68	0.75	1.80	2.40
1 vs. 5	0.64	0.71	1.48	1.98
1 vs. 6	1.75	1.02	3.31	2.53
2 vs. 3	0.66	0.68	0.95	1.06
2 vs. 4	1.08	1.15	1.71	1.83
2 vs. 5	1.02	1.09	1.41	1.51
2 vs. 6	2.78	1.56	3.16*	1.93
3 vs. 4	1.63	1.70	1.80	1.72
3 vs. 5	1.54	1.60	1.48	1.42
3 vs. 6	4.19**	2.30	3.32*	1.81
4 vs. 5	0.94	0.94	0.82	0.82
4 vs. 6	2.56	1.35	1.84	1.05
5 vs. 6	2.72	1.43	2.23	1.27
Race1 (B/W)		0.43**		0.54*
Race2 (H/W)		1.02		0.96
Race3 (O/W)		0.94		0.84
Sex		1.29		-----
Treatment		1.08		0.92
Age		1.47**		-----
Mother's edu1 <sup>a</sup>		1.13		1.15
Mother's edu2 <sup>b</sup>		0.97		1.93**

\*=P<0.05

\*\*=P<0.01

<sup>a</sup>some college education/graduated from high school or less

<sup>b</sup>college graduate/graduated from high school or less

<sup>c</sup>Type 1: rural low SES neighborhoods

Type 2: urban White middle SES neighborhoods

Type 3: urban White high SES neighborhoods

Type 4: suburban White middle SES neighborhoods

Type 5: rural White middle SES neighborhoods

Type 6: urban Black low SES neighborhoods

**Table 3.5: Parental Behaviors on Adolescent Cigarette Use by Neighborhood Types<sup>a</sup> (Odds Ratios)**

	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>Type 4</b>	<b>Type 5</b>	<b>Type 6</b>
<b>Closeness</b>	0.69	1.00	0.94	0.84	0.93	0.93
<b>Monitoring</b>	0.82	0.85	0.87	1.01	1.02	0.70
<b>Parent smoking</b>	1.92	1.38	1.40	4.14**	1.41	4.72
<b>Baseline smoking</b>	32.64*	40.02**	35.75**	44.40**	28.88**	36.61**
<b>Race (w vs. non-w)</b>	0.15	0.68	-----	-----	-----	-----
<b>Mother's education</b>	-----	-----	0.90	-----	0.75*	-----
<b>Age</b>	-----	-----	1.17	1.11	1.05	-----

\*=P<0.05

\*\*=P<0.01

<sup>a</sup>Type 1: rural low SES neighborhoods

Type 2: urban White middle SES neighborhoods

Type 3: urban White high SES neighborhoods

Type 4: suburban White middle SES neighborhoods

Type 5: rural White middle SES neighborhoods

Type 6: urban Black low SES neighborhoods

**Table 3.6: Parental Behaviors on Adolescent Alcohol Use by Neighborhood Types<sup>a</sup> (Odds Ratios)**

	<b>Type 1</b>	<b>Type 2</b>	<b>Type 3</b>	<b>Type 4</b>	<b>Type 5</b>	<b>Type 6</b>
<b>Closeness</b>	0.56	0.99	1.15	0.86	0.69*	0.84
<b>Monitoring</b>	0.81	0.93	0.72*	1.03	1.14	1.40
<b>Parent drinking</b>	1.28	2.53*	2.40	0.99	1.75	3.17
<b>Baseline drinking</b>	-----	16.96**	22.64**	16.35**	23.68**	40.91**
<b>Age</b>	-----	1.52	1.00	1.37	1.46	-----
<b>Treatment</b>	-----	0.64	-----	-----	-----	-----
<b>Race (w vs. non-w)</b>	-----	-----	0.35*	0.45	-----	-----

\*=P<0.05

\*\*=P<0.01

<sup>a</sup>Type 1: rural low SES neighborhoods

Type 2: urban White middle SES neighborhoods

Type 3: urban White high SES neighborhoods

Type 4: suburban White middle SES neighborhoods

Type 5: rural White middle SES neighborhoods

Type 6: urban Black low SES neighborhoods